

A.I.A. FILE NO. C-27

Ambass-a-dor **STEELCOA** ALUMINUM & FIBERGLASS DOORS



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STEELCOA INC.

AMBASS-A-DOR DIVISION OF STEELCOA INC., Mounted Route 10, Route 3, Plattsburgh, New York

A door is an important facet of a building which the occupant is using daily...its design and performance are among the chief criteria by which a building is judged...that is why AMBASS-A-DOR now offer doors that glisten in clean Aluminum or Fiberglass...that glow in dynamic color...DOORS that PROTECT—DECORATE—AND SOLIDIFY...BEAUTY, DURABILITY AND PERFORMANCE are the most desirable features in the components of modern buildings.

Points to remember in designing/specifying an overhead operating door:

Keep the door weight down by avoiding the extra weight. (Example:— $\frac{1}{4}$ " wire glass weighs $3\frac{1}{2}$ lbs. sq. ft. opposed to DOUBLE DIAMOND GLASS 24 ounce, which is standard and comparable to panel weight). Select Standard 24 ounce glass, or $\frac{1}{8}$ " ACRYLIC PERSPEX which is lighter and stronger and offers security and protection. Also avoid unusually heavy panels.

Always remember that an overhead operating door is assessed largely in terms of its performance. Hardware quality is the only variable affecting a door's performance; and this is governed by size—weight—and frequency

of operation...Hardware quality must not be compromised for the sake of small economy.

The approach to the selection of an overhead operating door is best made by following a step-by-step procedure:

Ambass-a-dor makes custom sizes to a maximum of 28'0" x 20'6" high, but substantial economies can be made by using standard door sizes:

8'0" wide x 8'0" high
10'0" wide x 10'0" high
10'0" wide x 12'0" high
12'0" wide x 12'0" high
12'0" wide x 14'0" high
14'0" wide x 12'0" high
14'0" wide x 14'0" high
16'0" wide x 14'0" high
16'0" wide x 16'0" high

Note: The above standard sizes are the finished daylight opening dimensions.

Use the panel and section schedule below to determine the number of panels and sections in your door:

RECOMMENDED AMBASS-A-DOR PANEL & SECTION SCHEDULES

PANEL SCHEDULE		SECTION SCHEDULE	
door width	panels wide	door height	sections high
Up to 8'11"	2	6'0" to 8'6"	4
9'0" to 11'11"	3	8'7" to 10'6"	5
12'0" to 14'11"	4	10'7" to 12'6"	6
15'0" to 17'11"	5	12'7" to 14'6"	7
18'0" to 20'11"	6	14'7" to 16'6"	8
21'0" to 23'11"	7-8	16'7" to 18'6"	9
		18'7" to 20'6"	10

APPROXIMATE DOOR SIZES

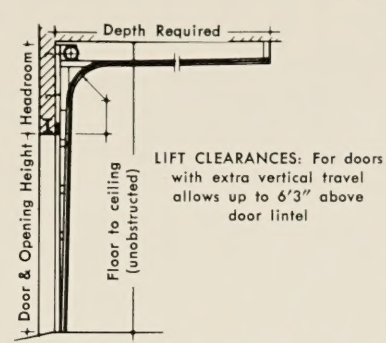
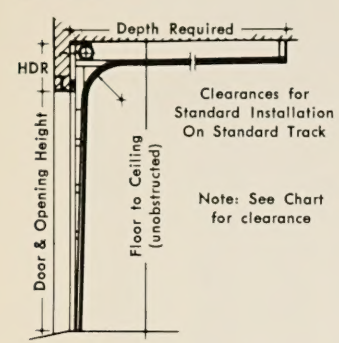
BLDG. TYPE	FREQUENCY OF OPERATION PER DAY OPENING & CLOSING CYCLES±																
		8'w x 8'H	8' x 10'	8' x 12'	10' x 8'	10' x 10'	10' x 12'	10' x 14'	12' x 8'	12' x 10'	12' x 12'	12' x 14'	14' x 8'	14' x 10'	14' x 12'	14' x 14'	16' x 8'
PARKING GARAGE	OVER 500																
CAR WASH	300				3"												
APT. GARAGE	200												3"				
SERVICE STATION, INDUSTRIAL	100 50				2"											3"	
RESIDENTIAL	20								2"			2"			2"		

FOR LARGER SIZES CONTACT AMBASS-A-DOR/STEELCOA

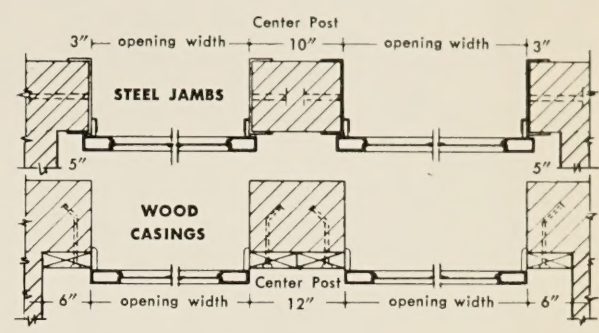
- 1) EQUATE TO BUILDING TYPE (FREQUENCY OF OPERATION)
- 2) READ OFF A) TRACK SIZE: 3" ABOVE BLACK LINE
2" BELOW BLACK LINE

- B) GREEN SHADED AREA A MECHANICAL HOIST (CHAIN OR ELECTRIC) IS RECOMMENDED
- C) STANDARD DOOR SIZES ARE SHOWN BY BOXES.

Having determined the door size and frequency of use, track size, type of operation (manual, chain hoist or electric) the next step is to determine clearances.



The importance of providing proper clearances cannot be understated. No door can function properly if not given the hardware clearances stated below:



DOOR CLEARANCE CHART (UNOBSTRUCTED) NO BEAMS, PIPES, DUCTS, LIGHTS etc.

WIDTH	HEIGHT	TRACK SIZE	CLEARANCES BASED ON 15" (RADIUS) CURVED TRACK	MINIMUM HEAD ROOM			MINIMUM SIDE ROOM					
				OPERATING SYSTEM			WOOD CASINGS			STEEL JAMBS		
				(PUSH PULL) MANUAL	CHAIN HOISTS	ELECTRIC OPERATORS	CHAIN HOIST SIDE	OTHER SIDE	CENTER PIER	CHAIN HOIST SIDE	OTHER SIDE	CENTER PIER
UP To 16'0"	UP To 8'6"	2" 3"	15" 15"	14½" 18"	14½" 18"	A J Series—sideroom type—standard requirements + 14". A J Series—center wall mount—standard head room requirements + 30". A J Series—ceiling mount—standard headroom requirements + 14". A T Series—trolley type—standard head room requirements + 5". A T Series—trolley type—depth = door height + 5'0".	9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
OVER 16'0"	FOUR SECTIONS	2" 3"	15" 15"	14½" 18"	14½" 18"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
UP To 16'0"	UP To 10'6"	2" 3"	15" 15"	15" 18½"	15" 18½"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
OVER 16'0"	FIVE SECTIONS	2" 3"	15" 15"	15" 19"	15" 19"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
UP To 16'0"	UP To 12'6"	2" 3"	15" 15"	15½" 20"	15½" 20"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
OVER 16'0"	SIX SECTIONS	2" 3"	15" 15"	15½" 20"	15½" 20"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
UP To 16'0"	UP To 14'6"	2" 3"	15" 15"	*16" *20"	16" 20"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
OVER 16'0"	SEVEN SECTIONS	2" 3"	15" 15"	*18" *20½"	18" 20½"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
UP To 16'0"	UP To 16'6"	2" 3"	15" 15"	*18" *23"	18" 23"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
OVER 16'0"	EIGHT SECTIONS	2" 3"	15" 15"	*21" *23"	21" 23"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
UP To 16'0"	UP To 18'6"	2" 3"	15" 15"	*21" *25"	21" 25"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"
OVER 16'0"	NINE SECTIONS	2" 3"	15" 15"	*21" *25"	21" 25"		9" 9"	6" 6"	12" 12"	9" 9"	5" 5"	10" 10"

FOR DOORS LARGER THAN ABOVE, CONSULT YOUR NEAREST AMBASS-A-DOR / STEELCOA DISTRIBUTOR
*CHAIN HOIST OR ELECTRIC OPERATION RECOMMENDED ON ALL DOORS OVER 12'6" IN HEIGHT ALSO HEAVY & FREQUENTLY USED DOORS
*ON UNUSUAL & HEAVY DOORS—ADDITIONAL HEADROOM—SIDE ROOM & PIER CLEARANCES—CONSULT HEAD OFFICE

Low Head Room
In restricted headroom we can fabricate horizontal tracks to accommodate minimum headroom of 7" for 2" track and 12" headroom for 3" track.

Semi Vertical Lift Door
We can fabricate vertical tracks where the headroom clearance above lintel exceeds 3/4 of the door opening height. This clears doors for lift truck, hoist, cranes and materials close to the door openings.

We can fabricate tracks to follow the slope of the roof for extra clearance under doors in the open position.

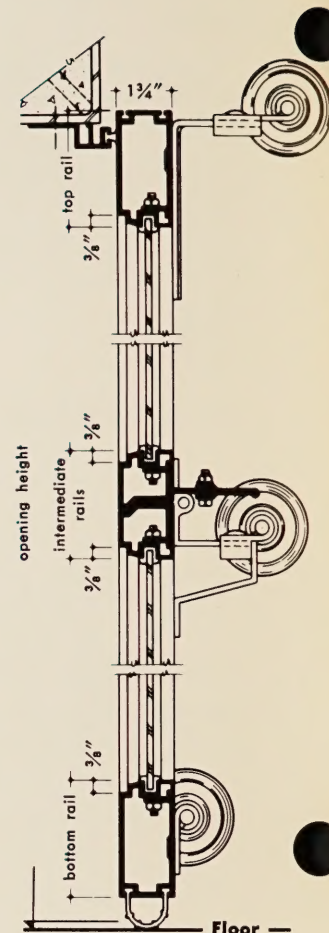
Tight headroom clearances for full vertical lift doors only. We can fabricate tracks with special offset to allow counterbalance fittings between the tracks and the wall.

Hi-lift, Semi Vertical Lift and Full Vertical lift doors —We can fabricate tracks with special offsets of the verticals to avoid obstructions on the inside face of the wall.

Full Vertical Lifts
Ideal where you have high ceilings and the headroom clearance above the lintel exceeds opening height plus 15 inches. Designed for unobstructed travel of overhead cranes, power lift equipment and where utilization of floor to ceiling is required inside of doorway.

TUBULAR EXTRUDED ALUMINUM DOOR CONSTRUCTION

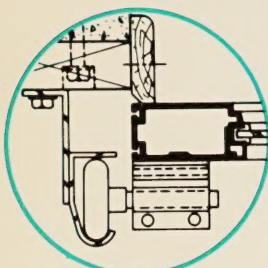
MODEL		AL 101	AL 200
FUNCTION		Standard conditions in commercial & industrial locations	Heavy duty and multi-operational conditions
APPLICATIONS		Service stations, car washes, warehouses, industrial and apartment buildings.	Large warehouse doors, Automatic parking garages, High rise office and apartment buildings, maintenance garages.
LIMITING DIMENSIONS	Max. area Max. width Max. height	168 sq. ft. 16'-2" 16'-1"	368 sq. ft. 24'-2" 20'-0" Doors over these sizes consult factory.
DETAIL DIMENSIONS	Door thickness Meeting rails (height per pair) Muntins Top rail Bottom rail End. stile Top rail Bottom rail End. stile	1 3/4" 2 1/2" high per pair 1 3/8" Doors to 14'-2" width 3" width 4 1/8" 14'-2" to 16'-2" width	1 3/4" 3 3/8" high per pair 1 3/8" or 2" to 16'-2" door width 3 7/8" 16'-2" to 24'-2" width 5 3/4" 24'-2" width
CONSTRUCTION	Horizontal and vertical members are joined together by concealed through-bolts and self locking nuts. This provides high strength and rigidity in both open and closed positions and gives positive security to the section. All stiles and rails have double wall thickness where hardware is mounted. Built-in truss reinforcing for doors over 12'3" wide on Model AL 101 ... and over 14'3" in width on Model AL 200. This provides strength and rigidity in closed position for wind resistance, and deflection in open position.		
PANELS	Aluminum panels will be 16 GA. (Unless specified otherwise.) Panels hermetically sealed in moulded vinyl gaskets in a 3/8" deep groove in the stiles and rails and retained on the inside face by removable aluminum mouldings. Various colors available in anodized and durable acrylic finish. Consult factory first for color fastness and finish.		
GLASS	24 oz. glass standard. (1/8" acrylic Perspex safety glass is recommended when you require extra protection)...		
	Important Note: Do not over balance door sections by using 1/4" plate, wire or cast wire glass, burglar systems, etc.		
INSULATION	Aluminum panels can be insulated with rigid insulation such as Styrolite or equal. (Must specify)		
WEATHERSTRIPPING	The bottom rail is supplied with a flexible rolled vinyl astragal to provide a seal between the door and the floor.		



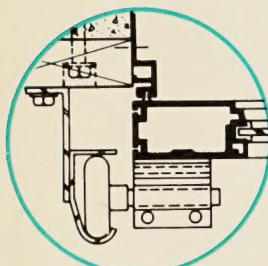
Vertical Section Through — door opening



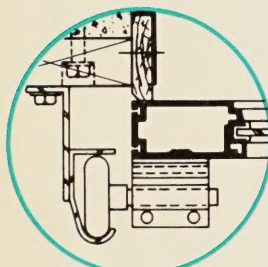
PANEL AND GLASS ASSEMBLY DETAIL



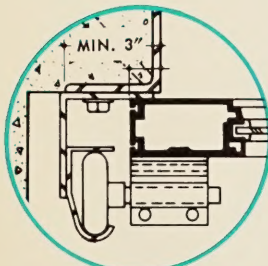
Detail on Wood Casings with wood door stop



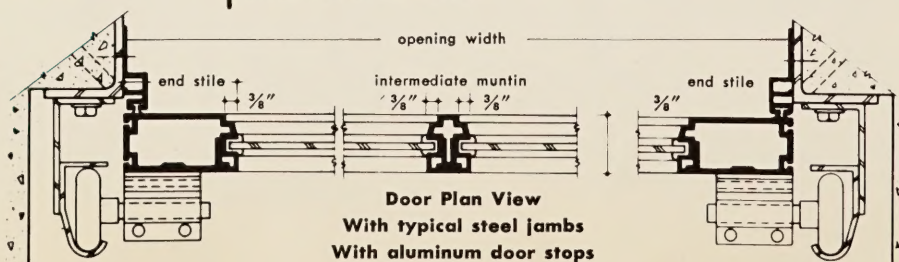
Detail on Wood Casings with aluminum door stop



Detail on Wood Casings with combination wood & aluminum door stop

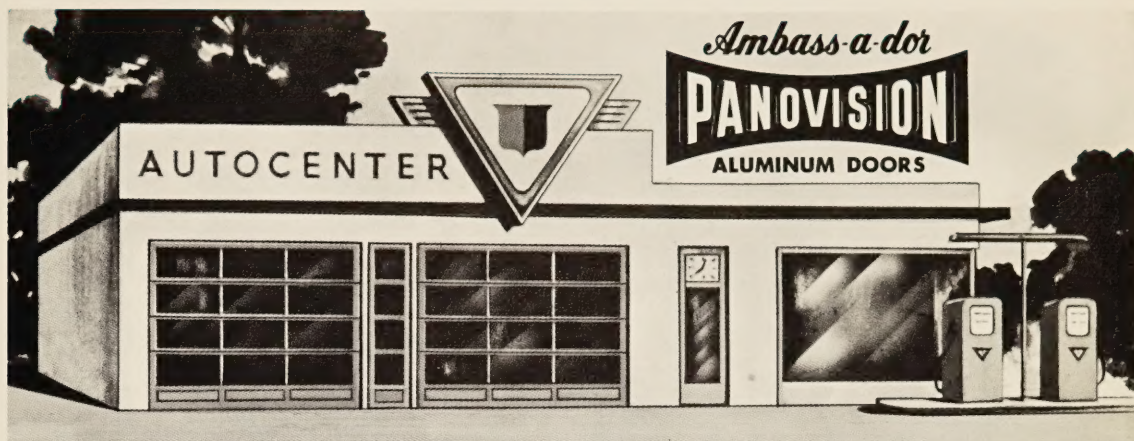


Detail on Steel Jamb Door overlaps no door stops

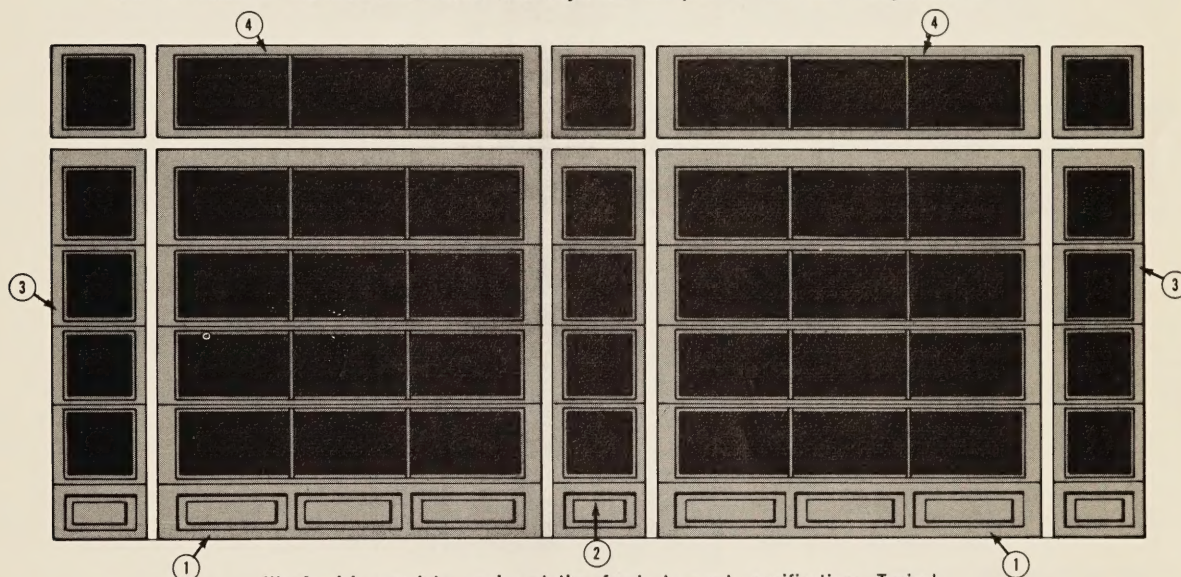


Door Plan View With typical steel jambs With aluminum door stops

COMPLETE SERVICE STATION FRONTS

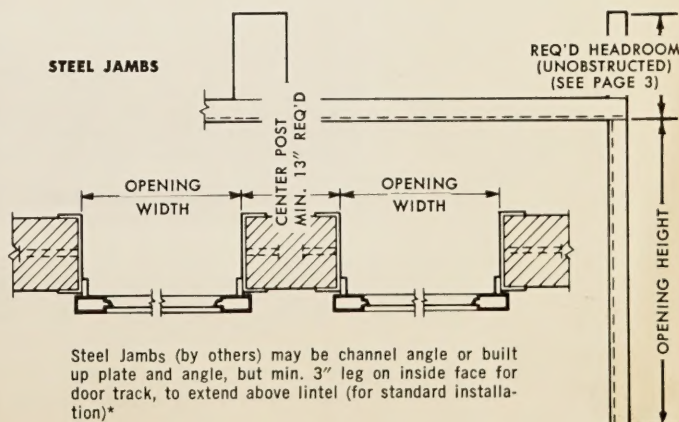
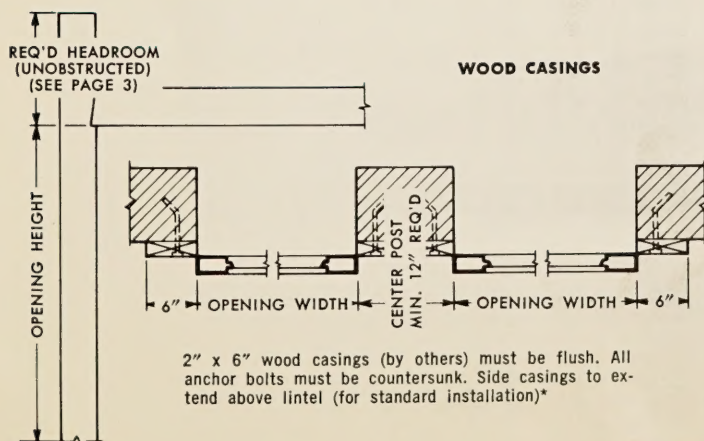


AMBASS-A-DOR Sectional Overhead Doors for service stations are the ultimate in attractiveness, durability and trouble-free operation. Beautiful AMBASS-A-DOR Aluminum Doors can be found on service stations of the major oil companies and the independents...



We furnish complete service station fronts to meet specifications. Typical installation above shows (1) overhead doors, (2) pass or access door with fixed transom above, (3) fixed panel and (4) transom sections. A pass door within the overhead door is also available as required. Exhaust outlets are factory installed in aluminum panel (location to be specified).

FRAMING DETAILS



*See page 3 for clearances.

ALUMINUM-FIBERGLASS SECTIONAL OVERHEAD DOORS



THE LIGHTWEIGHT DOOR FOR HEAVY DUTY SERVICE

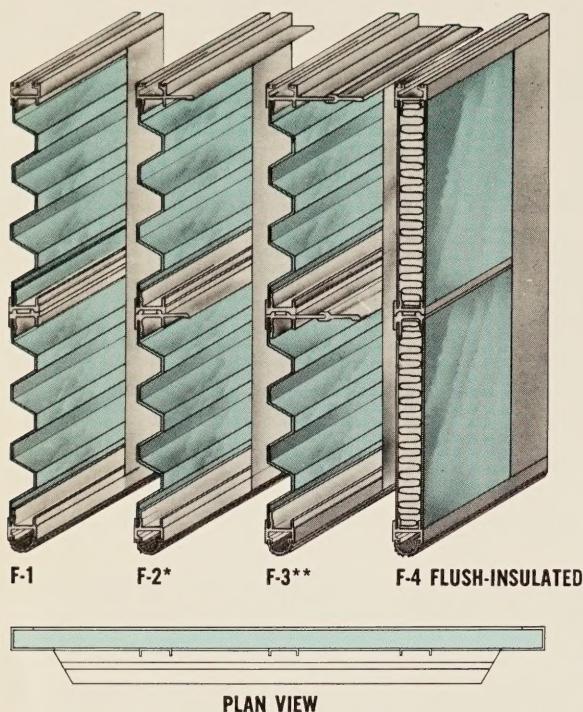
ATTRACTIVE

LIGHTWEIGHT

TRANSLUCENT

DURABLE

EASILY MAINTAINED



PLAN VIEW

DIMENSIONAL SPECIFICATIONS

Door Member	WIDTH				
	Up to 12'-2"	12'-3" to 16'-2"	16'-3" to 19'-2"	19'-3" to 22'-2"	22'-3" to 26'-2"
Door Thickness	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Top and Bot. Rails	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"
Pair of Horiz. Rails	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"
Interm. Stile (Mull)	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"
Bot. Sec. Dia. Bracing	—	—	—	Yes	Yes
Number of Stiles	2	3	4	4	5-6

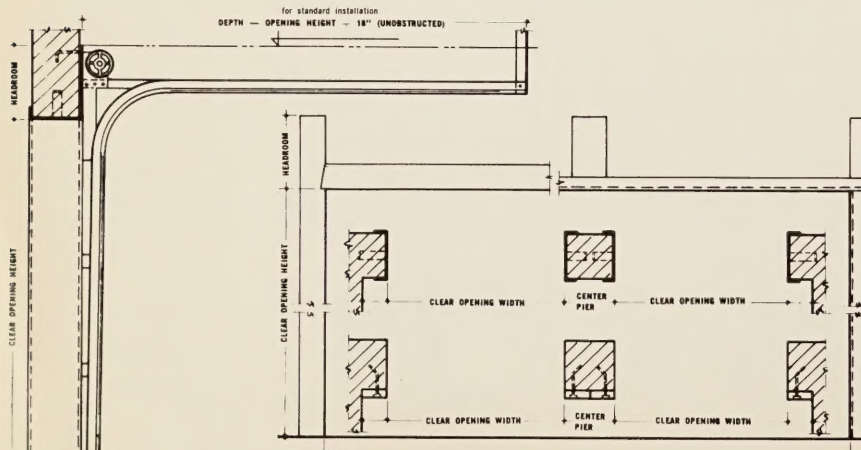
*BUILT-IN INTEGRAL TRUSS OVERALL 3 1/4".

**ADDITIONAL TRUSS OVERALL 4 3/4".

HEIGHT	
OPENING HEIGHT	NUMBER OF DOOR SECTIONS
6'-6" to 8'-6"	4
8'-7" to 10'-6"	5
10'-7" to 12'-6"	6
12'-7" to 14'-6"	7
14'-7" to 16'-6"	8
16'-7" to 18'-6"	9
18'-7" to 20'-6"	10

HARDWARE CLEARANCES (Unobstructed — No Pipes, Ducts, Beams, Lights, Etc.).

For headroom, sideroom and depth clearances see page 3.



Steel Jams (by others) may be channel angle or built up plate and angle, with min. 3" leg on inside face for door track, to extend above lintel (for standard installation). See page 3.

2" x 6" wood casings (by others) must be flush. All anchor bolts must be countersunk. Side casings to extend above lintel (for standard installation). See page 3.

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STANDARD LIMITS OF STANDARD DOORS ON STANDARD TRACK

2" TRACK

max.
300
sq. ft.

3" TRACK

max.
500
sq. ft.

Not to exceed 16'-1" high or 19'-1" wide

DETAILED DESCRIPTION

STILES AND RAILS—of extruded aluminum alloy 6063T6 (or equivalent), to produce a door nominal 2" thick. Center rails designed with rabbeted weather joint.

PANELS—Deeply ribbed fiberglass panels extend full width of sections and are secured to rails, center stiles and end stiles. NOTE: Fiberglass is acrylic finish—flush fiberglass insulated See Fig. 4.

ALSO AVAILABLE: VISION PANEL APPROX. 18" long x 4" high. (Optional—must specify)

FINISH—No painting required. Color is permanently impregnated into fiberglass. All aluminum members have ANODIZED LUSTRE FINISH... First in the Industry.

HARDWARE—Steel hinges and fixtures bolted in place. Case hardened Ball Bearing Rollers, or smooth, silent Nylon Tire Ball Bearing Rollers (must specify)

LOCK—Five pin tumbler lock with single unit lock mechanism or cremone type lock engaged in vertical tracks, or side type lock engaged in vertical track.

TRACKS—See above recommendations.

COUNTERBALANCE—"Stress Tested" Torsion spring(s) custom coiled to precisely counterbalance the door, rotating on cross-header shaft. Tapered drums, Pre-formed galvanized lift cables, with 10 to 1 safety factor. Extension springs available (must specify).

WEATHERSTRIP—Rolled vinyl astragal is provided for effectively sealing the bottom of the door against weather.

OPERATION—Manual (push-pull) or chain hoist... or electrically operated (must specify). NOTE: Chain hoist or electric operation recommended on all doors over 12'-6" high.

WARRANTY—Doors guaranteed against faulty workmanship or material for a period of one year when installed by an authorized local distributor of AMBASS-A-DOR/STEELCOA (New York).

ARCHITECTS' SPECIFICATIONS

Aluminum and fiberglass sectional overhead doors shall be AMBASS-A-DOR/STEELCOA of size shown on plans. To be made of 6063T6 (or equal) aluminum alloy extruded shapes to produce a door nominal 2" thick. Deep Profile (1 1/4") Fiberglass panels to extend full width of each section and be secured to rails, end stiles and center stiles.

All doors to be accurately counterbalanced with "stress tested" torsion springs, tapered drums and galvanized lift cables. Doors shall be equipped with inclined tracks and graduated end roller carriers ensuring weathertight fit, track and hardware with galvanized finish, ball bearing rollers, (steel or nylon). Type of operation—(must specify) Door openings, jams and pads to be furnished and installed by others (See door clearance chart page 6)

Doors shall be installed by the local distributor of AMBASS-A-DOR/STEELCOA and shall be guaranteed by him against faulty workmanship or materials for a period of one year.

ALUMINUM-FIBERGLASS MULTI-LEAF

VERTICAL-LIFT DOORS ELIMINATES HEADROOM RESTRICTIONS

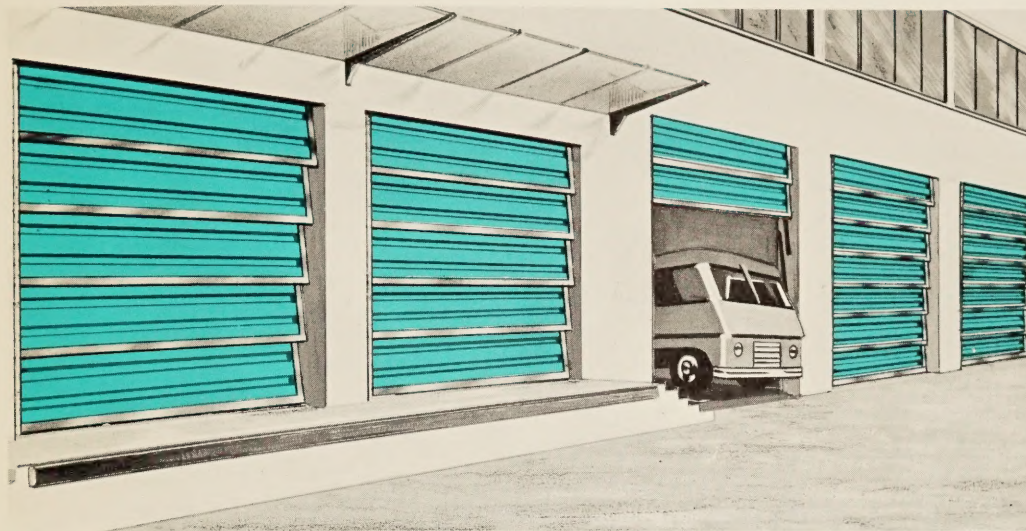
ATTRACTIVE

LIGHTWEIGHT

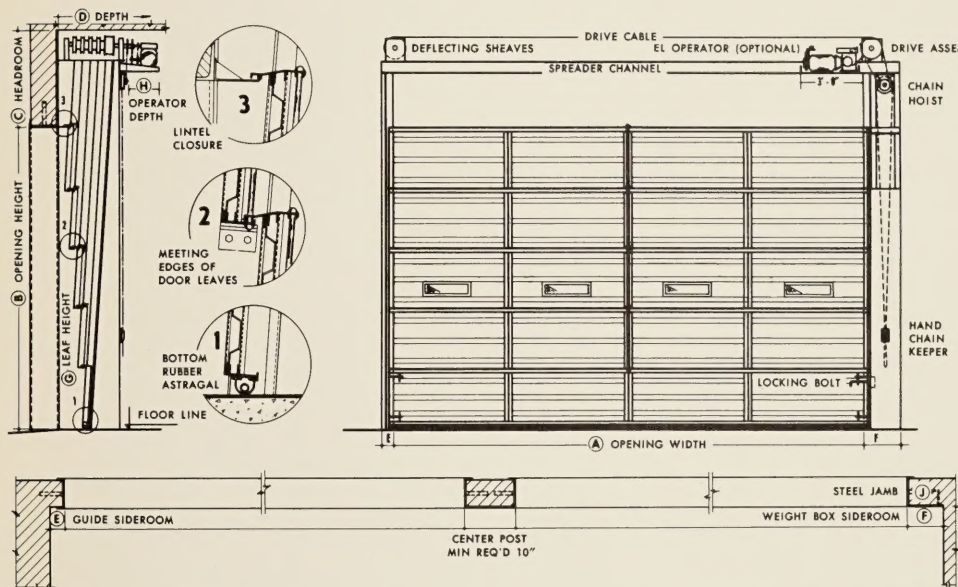
TRANSLUCENT

DURABLE

EASILY MAINTAINED



For openings with restricted headroom and depth clearances. Bottom leaf rises and picks up the next and each succeeding leaf, until all leaves are stacked behind and above the lintel.

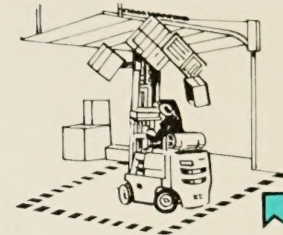


Ambass-a-dor

STEELCOA
ALUMINUM
FIBERGLASS
& STEEL DOORS

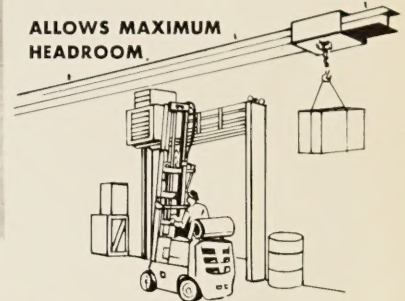
16J
ST

NO OVERHEAD TRACKS
LEAVES CEILINGS CLEAR



THIS
SPACE
WASTED

ALLOWS MAXIMUM
HEADROOM.



THE MOST IMPORTANT FEATURE OF THE MULTI-LEAF FIBERGLASS VERTICAL LIFT DOOR IS THE ABSENCE OF OVERHEAD TRACKS. THIS DEPTH SAVING FEATURE WILL ADD MANY CUBIC FEET OF STORAGE AND WAREHOUSE SPACE.

DETAILS

- A. Opening Width—Jamb to Jamb
- B. Opening Height—Floor to Lintel
- C. Headroom—14" + G
- D. Depth—(No. of leaves x 3") + 12"
- E. Guide Sideroom—5"
- F. Weight Box Sideroom—15"
- G. Leaf Height—Min. 22" to 40" max. (Leaf height determined by available headroom less 14")
- H. Electric Operator Depth—15" + D
- I. Glass Openings—Optional: Size 9" wide x 2" high (approx.)
- J. Steel Jamb—Min. 3" leg with Verticals extending above lintel to required headroom

GENERAL SPECIFICATIONS:

SIZES—Max. width 20'0", max. height 22'6"—Not over 340 sq. ft. (For larger sizes consult Head Office).

DOOR LEAVES—Each leaf is custom designed aluminum. Frame reinforced at approximately 4' centers, exterior facing corrugated fiberglass panel. For details on aluminum flush insulated doors write head office. All aluminum extrusions tempered alloy 6063-T6 or equivalent.

"VIEW-THRU" WINDOW—Recommended 9" x 2" high (approx.) glazing acrylic perspex.

GUIDES—Bottom leaf to ride in 3" copper bearing steel tracks. Other leaves to ride in angle guides. Guides mounted on formed plate,

angle guides. Guides mounted on formed plate, reinforced heavy angles at each side. Guides for all leaves sloped to give door vertical appearance from outside. Heavy duty spreader channel joins guides at top.

COUNTERBALANCE—Lifting by preformed galvanized aircraft cable (two for each leaf) minimum of 7 to 1 safety factor. Cables suspended over a series of grooved sheaves rotating on ball-bearings, mounted on cold rolled steel shaft. Bottom leaf cables secured to threaded drums, rotating on self aligning bearings. (Drive is positive and friction free). Each leaf individually counterbalanced with weights housed in weight box angle guides for each weight.

WEATHERSTRIPPING—Bottom edge of door

equipped with rolled rubber or vinyl astragal ensuring a seal between the door and floor. Foam rubber sealing gaskets for meeting edges of door leaves and lintel closure. Aluminum stopper with foam rubber pad for bottom of each angle guide. The whole to ensure a weathertight fit.

OPERATION—Geared chain hoist unit with 4 to 1 reduction and galvanized hand chain.

FINISH—All aluminum extrusions protected by anodized lustre finish.

ELECTRIC OPERATION—see page 8.

GUARANTEE: All materials carry one year guarantee. Specifications subject to change without notice.

SALES

ENGINEERING

INSTALLATION

SERVICE

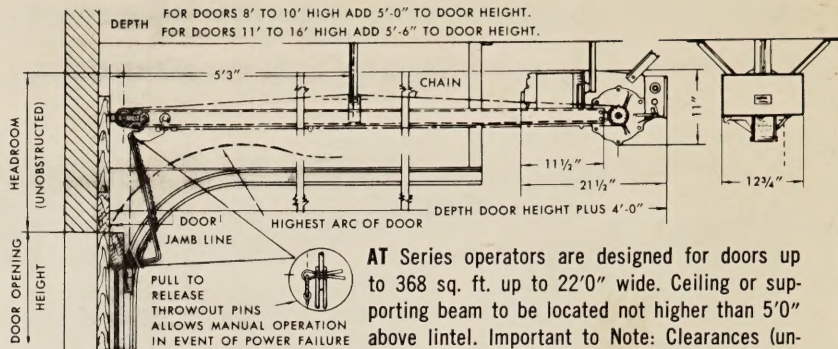
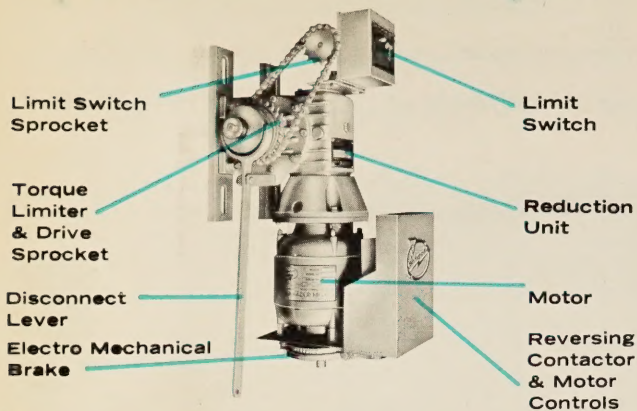
COAST TO COAST

STEELCOA INC.

7

INDUSTRIAL ELECTRO-MATIC OPERATORS

CENTRE TYPE (PUSH-PULL) AT Series



AT Series operators are designed for doors up to 368 sq. ft. up to 22'0" wide. Ceiling or supporting beam to be located not higher than 5'0" above lintel. Important to Note: Clearances (unobstructed) Headroom. Operator headroom see page 3.

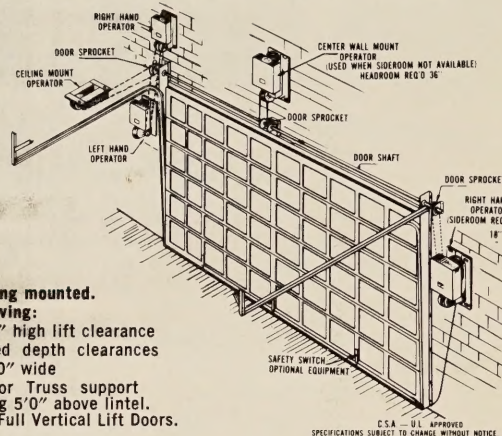
MODEL SELECTION CHART

Max. Door Size	Center Type (push-pull) AT Series Operators	Sidemount Type (Jack Shaft)	Motor H.P.	60 cycle Voltage Phase
Up to 168 sq. ft.	MODEL AT-311	MODEL AJ-311	1/2	110-1
	AT-321	AJ-321	1/2	220-1
	AT-323	AJ-323	1/2	220-3
	AT-343	AJ-343	1/2	440-3
Up to 196 sq. ft.	AT-211	AJ-211	1/2	110-1
	AT-221	AJ-221	1/2	220-1
	AT-223	AJ-223	1/2	220-3
	AT-243	AJ-243	1/2	440-3
Up to 256 sq. ft.	AT-411	AJ-411	3/4	110-1
	AT-421	AJ-421	3/4	220-1
	AT-423	AJ-423	3/4	220-3
	AT-443	AJ-443	3/4	440-3
Up to 368 sq. ft.*	AT-111	AJ-111	1	110-1
	AT-121	AJ-121	1	220-1
	AT-123	AJ-123	1	220-3
	AT-143	AJ-143	1	440-3

*For special sizes consult our Head Office.

Important to Note: Clearances (unobstructed). See page 3.

SIDEMOUNT TYPE (JACKSHAFT) AJ SERIES



AJ SERIES—

Wall or ceiling mounted.

For doors having:

A—Over 2'0" high lift clearance

B—Restricted depth clearances

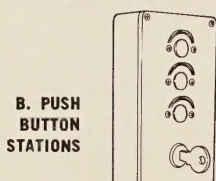
C—Over 22'0" wide

D—Ceiling or Truss support exceeding 5'0" above lintel. Also for Full Vertical Lift Doors.

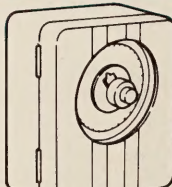
SPECIAL CONTROLS



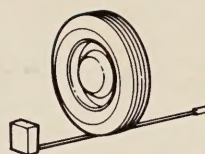
A. SAFETY SWITCHES



B. PUSH BUTTON STATIONS



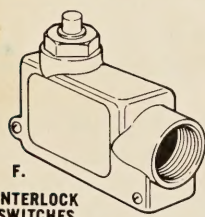
C. TIMER



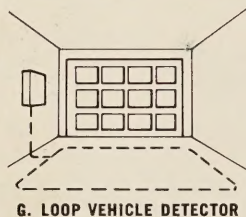
D. TREADLE SWITCHES



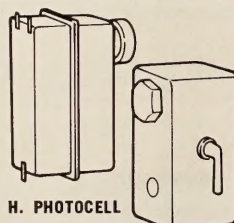
E. WARNING LIGHTS



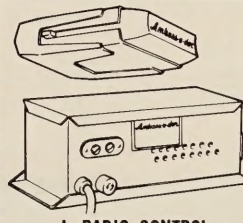
F. INTERLOCK SWITCHES



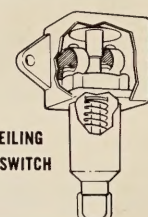
G. LOOP VEHICLE DETECTOR



H. PHOTOCELL



I. RADIO CONTROL



J. CEILING PULL SWITCH

A. SAFETY SWITCHES:—for use on bottom edge of door to ensure against bodily harm and damage to the door and operator should the door strike an object. Two (2) types available: one MECHANICALLY OPERATED by rolled rubber secured to formed steel strip and attached to bottom edge of door with brass hinges. This safety edge activates a sensitive plunger type micro switch... the pneumatic type is operated by air pressure through a hose along the bottom edge of the door.

NOTE: Either type may be wired to stop door only if motor is non-instantly reversible or to stop and reverse the door if motor is instantly reversible. We strongly recommend instantly reversible motor operators.

B. PUSH BUTTON STATIONS:—standard stations consist of either one, two or three pushbuttons, can also be supplied in weather or explosion proof enclosures.

C. TIMERS—(MODEL AZC-0 to 1, AEC-0 to 5)—designed for use where it is desirable to have the door close automatically after the elapse of a pre-set time interval. The timer is easily adjusted from 0 to 1 minute or 0 to 5 minutes depending on model chosen. Both models are automatically resettable by STOP BUTTON STATION OR SAFETY BEAMS (photo-electric controls) SPECIAL TIMING CIRCUITS ALSO AVAILABLE.

D. TREADLE SWITCHES:—surface or flush mounted in driveway—activated by the weight of the vehicle(s)—used to open or close the door(s); also resets timers—can also be wired to stop and reverse door (if provided with instantly reversible motor operators).

E. WARNING LIGHTS—the ideal system is two (2) warning lights one (1) red one

(1) green for each door opening and each direction of traffic—when door is closed or operating, red light should be on (flasher may be added)—when door is in full open position—green light goes on as long as door is in open position.

F. INTERLOCK SWITCHES:—standard uses on pass doors, emergency hand hoists, locking device rods etc.; prevent accidental electrical operation of the door under conditions other than those desired.

G. LOOP VEHICLE DETECTOR:—opens door when vehicle approaches wire loop which is embedded in driveway—the operation of the detector is unaffected by rain, snow, ice or any other weather hazard.

H. PHOTOCELL—(Magic Eye) CONTROL:—110 or 220V, 1 phase. May be mounted away from door to open and/or close; or in door frame to serve as safety device to prevent closing on obstacle in entrance. Comes with companion light source.

I. RADIO CONTROL:—110V, 1 phase. With its companion transmitter installed in car or other vehicle, permits operation of door anywhere within a radius of 100'. For non-reversible operators only.

J. CEILING PULL SWITCH:—very rugged, weatherproof. Has calibrated return spring. Will support 50 lbs. pull. The switch is enclosed in a sturdy water-shedding housing having heavy lugs with fastening holes on each side. Dimensions 9" x 7" x 4".